Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/28/2017 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125715	0	1.57	125605	1.54
Blue	F	SSC	125000	124369	-1	3.65	124778	3.51
Blue	E	FITC	23355	22638	-4	2.54	1015	10.52
Blue	D	PE	28848	28240	-3	2.09	1024	10.23
Blue	B	PerCP-Cy5-5	47791	47308	-2	3.58	1370	16.89
Blue	A	PE-Cy7	41358	40980	-1	5.21	633	35.89
Red	C	APC	51316	51159	-1	2.68	2949	9.08
Red	A	APC-Cy7	53225	52598	-2	2.71	1095	10.95
Violet	B	V450	14473	13783	-5	3.54	661	8.63
Violet	A	V500	59973	59455	-1	3.26	2650	6.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19757	3.64	609	11	N/A	N/A	Pass
Blue	F	SSC	61828	1.94	542	8	N/A	N/A	Pass
Blue	E	FITC	112	44.12	542	-2	0.0206	415	Pass
Blue	D	PE	226	29.65	539	1	0.1430	227	Pass
Blue	B	PerCP-Cy5-5	213	46.33	629	-1	0.0102	156	Pass
Blue	A	PE-Cy7	69	119.75	681	0	0.0116	14	Pass
Red	C	APC	349	27.36	589	-5	0.0226	153	Pass
Red	A	APC-Cy7	120	40.30	568	-8	0.0059	1933	Pass
Violet	B	V450	81	40.03	468	-3	0.0480	1788	Pass
Violet	A	V500	191	22.18	501	0	0.0136	177	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.77	-31.05	0.82
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	18.98	13.27 - 19.91	N/A	N/A	30.93	31.57	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9640

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments